

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: October 14, 2004

Inspector: Chuck Gidman

Location: Norwalk Substation Expansion

**Storm/
Rain Event** The area received 0.59" of rain on the day of the inspection, 10/14.

Areas of Inspection	Observation	Recommended Action
Access Roads	<ul style="list-style-type: none"> -Access roads are completely accessible. 10/14/04 -New Canaan Avenue is still free of tracked sediment from the Norwalk site. 10/14/04 - The area between the retaining walls #2 and3 is being brought to grade below subbase, and will serve as access. 10/14/04 	<ul style="list-style-type: none"> - None at this time. Continue to monitor. 10/14/04 - None at this time. Continue to monitor. 10/14/04 - Soil is being moved in here but it is all well contained. 10/14/04
Foundation construction	<ul style="list-style-type: none"> - The perimeter fence is nearly complete along the bike path with the exception of an access area. Work continues near the Rt 7 ramp. 10/14/04 - Some small stockpiles remain on site for bringing areas up to subgrade 10/14/04. 	<ul style="list-style-type: none"> - None at this time. Areas remain well contained 10/14/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - The silt fence can be removed from most areas where vegetative cover is sufficient. It should remain at the ends of the overflow channel where vegetative has not fully established. 10/14/04 	<ul style="list-style-type: none"> - Continue to be proactive in silt fence repair and maintenance where needed. Fence can be removed from areas with sufficient cover.

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls continued	- One spot of fence near wall #5 could use reinforcement or repair as it is under strain from sedimentation 9/23-10/14/04	- Fence should be reinforced in this location before winter. 10/14/04
	- A small excavation is underway up near the Rt. 7 Ramp and the control building. 10/14/04	- None at this time. 10/14/04
	- The topsoil stockpile remains well contained along the retaining wall and portions have been used on site. 9/23-10/14/04	- The pile will continue to be used where necessary in areas to be grassed in the future. 6/30-10/14/04
	-A small amount of grass growth had occurred in some areas along the channel but other adjacent areas have remained fairly sparse. 10/14/04 - Plantings arrived this week and are currently being installed along the bike path. 10/14/04	- Best efforts should be made to get as much vegetative cover as possible at this time of year. Straw mulch should be used to encourage growth. 10/07-10/14/04
	-Some slight scour has occurred at the base of the silt fence where the topsoil had washed away and exposed the cobbles near the southern end of retaining wall #5. 10/07-10/14/04	- Placing additional cobbles here at the base of slope may help reduce undercuts to the slope. 10/07-10/14/04
Inland Wetland and Watercourse encroachment and mitigation	- Most areas have sufficient vegetative cover but a few areas remain sparse. The areas adjacent to and within the channel especially need stabilizing cover. 9/23-10/14/04	- Continue to monitor silt fence and repair as necessary, especially in the portions closest to the river. Fence could be removed from areas with sufficient cover. 10/14/04
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-There should be no need for further clearing for most of the site. Landscaping and planting of native species along the	- Focus should be on trying to get sparsely vegetated areas to get sufficient growth before the winter. 10/14/04

Areas of Inspection	Observation	Recommended Action
	bike path is occurring at this time. 10/14/04	
Dewatering	- Dewatering activities are complete at this time.	-No actions required at this time.
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills	<ul style="list-style-type: none"> - There were no spills reported during the week. - A small drip spot was noted under the Galion. 10/14/04 	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations	<ul style="list-style-type: none"> - As previously noted, new road work, has been identified on the bridge on Broad Street to the north. 9/10-10/14/04 - The island or bank on which the bridge footing was located is mostly bare of vegetation. 	<ul style="list-style-type: none"> - The work is unrelated to the Norwalk substation but should be noted as it is occurring in the adjacent area and could be a potential off-site sedimentation source. 9/10-10/14/04

Next likely scheduled inspection:

Thursday October 21, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden for Chuck Gidman

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Date: October 14, 2004

Inspector: Chuck Gidman

Location: Plumtree Substation Expansion , Bethel

Storm/

Rain Event The area received 0.59" of rain on the day of the inspection, 10/14.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 10/14/04	- None at this time. 10/14/04
Foundation construction	-The GIS slab work is ongoing with the large concrete slab poured yesterday. 10/14/04 - A few additional excavations for footings are underway. 10/14/04 - Soil is being actively hauled off site at this time. Remaining excavate is being combined into stockpiles for backfill and covered. 9/16-10/14/04	- The areas are drying out and are still well contained at this time. 10/14/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The site did not show any evidence of any runoff or soil migration from the site. 10/14/04	- None at this time 10/14/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls continued	<ul style="list-style-type: none"> - There is no silt fence in place at this time, however any stockpiles are covered in plastic and no sedimentation has occurred. 9/16-10/14/04 	<ul style="list-style-type: none"> -All areas are well-contained and there is no sedimentation near any off site areas. 10/14/04 - Continue to be proactive in plastic placement and maintenance. 10/14/04
	<ul style="list-style-type: none"> - The stone perimeter berm is well in place and contains the yard. It prevented any turbid water from leaving the site during either of the two large storms. 9/30-10/14/04 	<ul style="list-style-type: none"> - The berm is working well at this time. Continue to monitor for any trouble spots. 10/14/04
	<ul style="list-style-type: none"> - The 1st concrete washout station was filled following pouring the slab and a second station was set up. A small washout occurred on the ground between the setup but everything was contained. 10/14/04 	<ul style="list-style-type: none"> - The main objective is to keep all washout water from storm drains and resource areas. 10/14/04
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> - Wetlands are located around the outskirts of the substation yard. Work is fairly close to the perimeter fence but there is no noted sedimentation to the wetland area. 9/10-10/14/04 	<ul style="list-style-type: none"> - The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 9/23-10/14/04
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> - No species of concern are located in this area of construction. 	<ul style="list-style-type: none"> - N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> - No vegetation outside of the substation yard will need to be cleared during the expansion work. 	<ul style="list-style-type: none"> - N/A
Dewatering	<ul style="list-style-type: none"> - Dewatering activities have continued in order to remove standing water from the excavations. 9/23-10/14/04 - The water is being directed to flat, stoned areas within the center of the yard and is being directed away from the 	<ul style="list-style-type: none"> - None at this time.

Areas of Inspection	Observation	Recommended Action
	stockpiles and excavations. 9/16-10/14/04	
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills	- There were no spills reported during the week or noted on site during the inspection. There are few pieces of machinery on site at this time. 10/14/04	- The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations		

Next likely scheduled inspection:

Thursday October 21 , 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

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Landscaping and plantings are underway along the overflow channel. Grass cover is still fairly sparse here although some regrowth has occurred. 10/14/04



View of the southern portion of the overflow channel. Landscaping and planting is ongoing at this time along the bike path. 10/14/04



View of stockpiles on site used to bring areas to subgrade. All areas are well contained.10/14/04



View of the fence installation work up near the Route 7 ramp and control building. 10/14/04



View of the site near the Route 7 ramp and the control building with the area brought nearly to subgrade. Some additional excavation will take place in this area. 10/14/04



Plumtree Substation: View of the yard and the ongoing work on the GIS concrete pad. The concrete slab was poured yesterday. 10/14/04